

Application No. 10/649,635

520.43063X00

Amendment to the Claims:

This listing of claims will replace all prior versions, and listings, of claims in the application:

Listing of Claims:

1-20. (canceled)

21. (New) A storage operation management method for managing operations of a plurality of storage devices storing information that is provided to a business server having a plurality of applications accessed via a network, the method executed by an operation management server coupled to the network, comprising:

acquiring a characteristic value of each volume from the plurality of storage devices to store the characteristic value to a management table;

calculating a performance level and a reliability level of each of volumes according to a type of an application to store the calculated performance and reliability level to the management table, by using an attribute information of each of volumes stored on the management table;

calculating upper and lower limit values of a threshold value of each classification level from the calculated performance and reliability level values of each of the volumes based on a policy for selecting volumes, and making a correspondence between each of the volumes and each of the levels; and

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determining a candidate of the volumes corresponding to range of the classification level designated by a user, based on the correspondence between each of the volumes and each of the classification levels.

22. (New) The method according to claim 21, wherein said calculation calculates evaluation values of attribute information of each of the volumes by using an evaluation function for each application, and calculates the upper and lower limit values for the level values of each of the classification levels by dividing the total amount of the volumes based on a ratio according to each of the classification levels provided by the policy.

23. (New) A storage operation management system which includes a plurality of storage devices coupled to a network and an operation management server for managing operations of the storage devices and provides information from the storage devices to a business server having a plurality of applications accessed via the network, the operation management server comprising:

an acquiring means for acquiring a characteristic value of each volume from the plurality of storage devices to store the characteristic value to a management table;

a first calculating means for calculating a performance level and a reliability level of each of volumes according to a type of an application to store the calculated

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performance and reliability level to the management table, by using an attribute information of each of volumes stored on the management table;

a second calculating means for calculating upper and lower limit values of a threshold value of each classification level from the calculated performance and reliability level values of each of the volumes based on a policy for selecting volumes, and making a correspondence between each of the volumes and each of the levels; and

a determining means for determining a candidate of the volumes corresponding to range of the classification level designated by a user, based on the correspondence between each of the volumes and each of the classification levels.

24. (New) The method according to claim 23, wherein the first calculating means comprises a third calculating means for calculating evaluation values for attribute information of each of the volumes by using an evaluation function for each application, and the second calculating means comprises a fourth calculating means for calculating upper and lower limit values for the level values of each of the classification levels by dividing the total amount of the volumes based on a ratio according to each of the classification levels provided by the policy.